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DATE: February 15, 2012

TO: Kelley Chase, EPA Region 3 OSC
Cynthia Caporale, EPA Region 3 OASQA

THROUGH: Ex. 4 - CBI SERAS Program Manager

FROM: Ex. 4 - CBI SERAS QA/QC Officer

SUBJECT: VERIFICATION/COMPLETENESS CHECK – DIMOCK, PA LABORATORY DATA
File 1202028, 1201033 P-1201028 PARTIAL 01 26 2012 1353.pdf
File 120137, 1201040 P-1201028 PARTIAL 01 30 2012 1505.pdf

INTRODUCTION

On February 14, 2012, a review of the case narratives and corresponding certificates of analysis from the EPA R2 (MBAS Reports Posted Feb 11) and the R2 (MBAS Reports Posted Feb 13) were reviewed at the SERAS facility in accordance with the Follow-Up Verification/Completeness Check agreed upon during our teleconference on Wednesday 2/8/12.

The assumptions for this review include the following: 1) Case narratives from the Regional labs and/or subcontract labs have been reviewed in accordance with Regional or Environmental Services Assessment Team (ESAT) protocols and contain all pertinent and complete information to conduct the completeness check. SERAS will base this review on the information provided by the laboratory and not on an actual data package; and 2) SERAS will relay any "red" flags to the EPA R3 personnel to resolve and determine data usability.

OBSERVATIONS

In accordance with Table 1 – Field and QC Sampling Summary (Rev01 - 2/3/12), Table 2 – Sample Analytical Requirements Summary (Rev01 – 2/3/12), Methods for Groundwater and Surface Water Samples and the R2 SOP #C-61, the following observations were noted and need to be clarified/resolved.

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1. The Date Sampled and Date Received is documented in the laboratory report. Several samples were received with 1:41 to 4 hours left on holding time. Need to verify if the samples were analyzed within the 48-hour holding time.
2. It is assumed that all required QC in the method was run and was within the criteria listed in SOP #C-61 since this information is not available in the laboratory report. No observations can be made based on precision and accuracy data.
3. The required RL for MBAS was 0.01 mg/L, which the laboratory reported; however, their SOP states the RL for this analysis is 0.1 mg/L.

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1. The Date Sampled and Date Received is documented in the laboratory report. Several samples were received with outside of the 48-hour holding time (Chain of custody record 3-012712-165633-0007). Should samples FB-05, HW17, HW24 and HW24-P be qualified unusable "R" since the holding time was exceeded?
2. It is assumed that all required QC in the method was run and was within the criteria listed in SOP #C-61 since this information is not available in the laboratory report. No observations can be made on precision and accuracy data.
3. The required RL for MBAS was 0.01 mg/L, which the laboratory reported; however, their SOP states the RL for this analysis is 0.1 mg/L.
4. The temperature upon receipt was 9.3°C, which is outside of the ≤6°C criterion. Since the temperature is outside the acceptance range, does it have an impact on the results (non-detects unusable and detects estimated)?

cc: Sella Burchette, SERAS Project Officer
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Ex. 4 - CBI SERAS Task Leader

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